

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076574.D
 Acq On : 08 Feb 2023 12:58
 Operator : JC\MD
 Sample : 01418-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-18A-020223

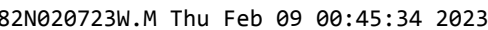
Quant Time: Feb 09 00:45:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 09:04:43 2023
 Response via : Initial Calibration

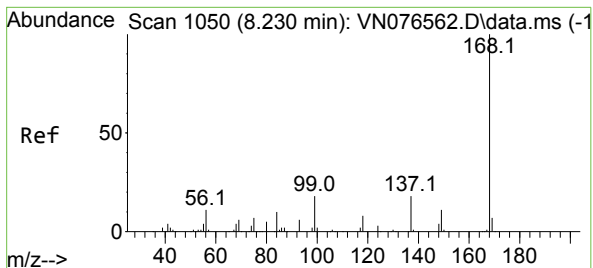
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	490842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	765299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	721319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	337550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	227175	39.213	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	78.420%
35) Dibromofluoromethane	8.177	113	222577	46.786	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.580%
50) Toluene-d8	10.570	98	885646	49.485	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.980%
62) 4-Bromofluorobenzene	12.853	95	326034	51.709	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.420%
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	24524	12.840	ug/l	96
18) Methyl Acetate	5.047	43	2832	0.469	ug/l #	79
20) Methylene Chloride	5.300	84	19598	3.328	ug/l #	75
25) 2-Butanone	7.494	43	3874	1.411	ug/l	92
29) Tetrahydrofuran	7.859	42	720	0.408	ug/l #	37
31) Cyclohexane	8.224	56	6784	0.741	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	31531	4.642	ug/l #	51
37) Ethyl Acetate	7.571	43	39762	7.814	ug/l #	92
38) Carbon Tetrachloride	8.229	117	48165	6.595	ug/l #	17
42) 1,2-Dichloroethane	8.700	62	1539	0.230	ug/l #	71
43) Isopropyl Acetate	8.694	43	204337	24.131	ug/l #	92
45) 1,2-Dichloropropane	9.741	63	2554	0.516	ug/l #	42
48) Methyl methacrylate	9.747	41	148936	35.763	ug/l #	31
49) 1,4-Dioxane	9.753	88	67	0.752	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8612	1.692	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	97766	12.369	ug/l #	60
57) 1,3-Dichloropropane	11.206	76	11893	1.412	ug/l #	42
59) 2-Hexanone	11.170	43	166906	46.002	ug/l #	18
74) N-amyl acetate	12.494	43	2220	0.288	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	151014	23.979	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	151014	73.630	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.400	180	1071	0.200	ug/l #	70
95) Naphthalene	15.647	128	8794	0.565	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	1332	0.260	ug/l #	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Feb 09 00:45:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020723W.M
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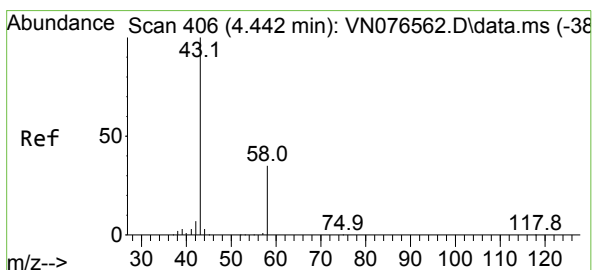
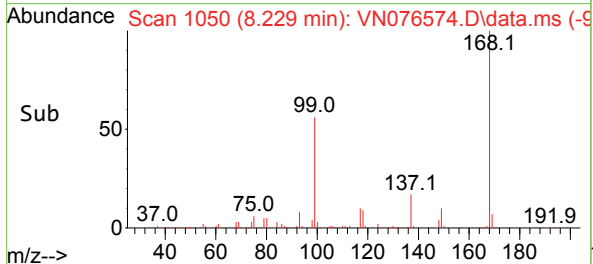
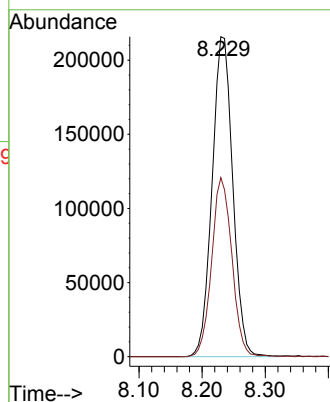
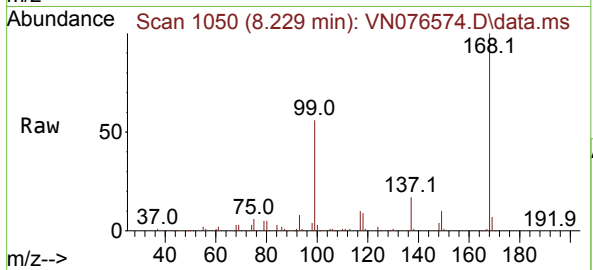




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

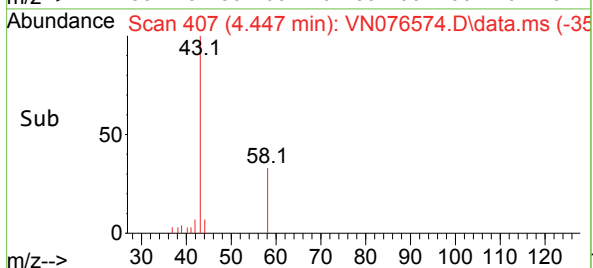
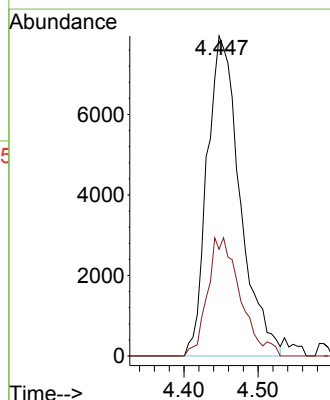
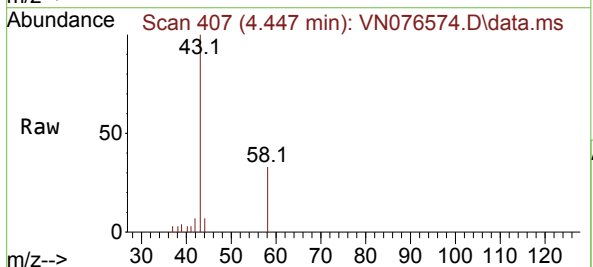
Instrument :
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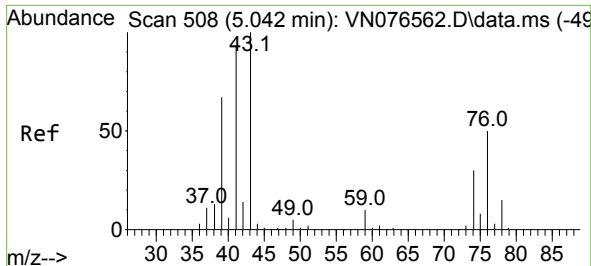
Tgt Ion:168 Resp: 490842
Ion Ratio Lower Upper
168 100
99 55.9 47.8 71.8



#16
Acetone
Concen: 12.840 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.005 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion: 43 Resp: 24524
Ion Ratio Lower Upper
43 100
58 33.4 28.4 42.6

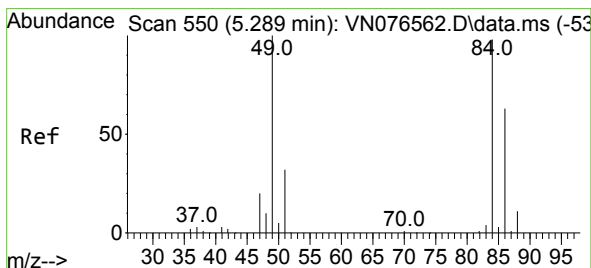
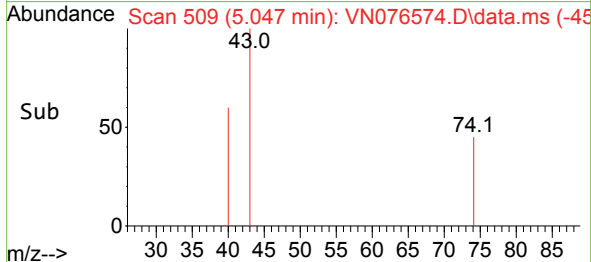
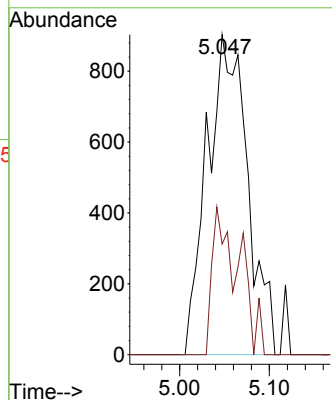
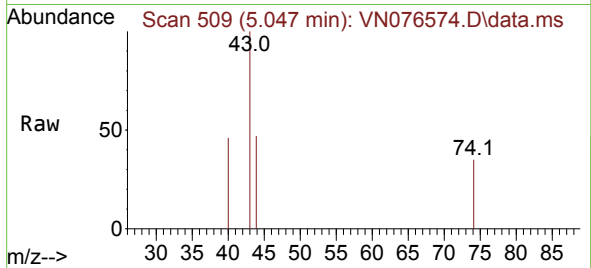




#18
Methyl Acetate
Concen: 0.469 ug/l
RT: 5.047 min Scan# 508
Delta R.T. 0.005 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

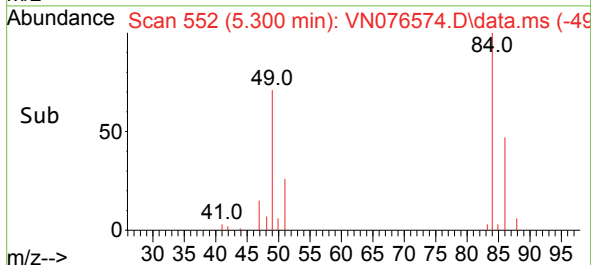
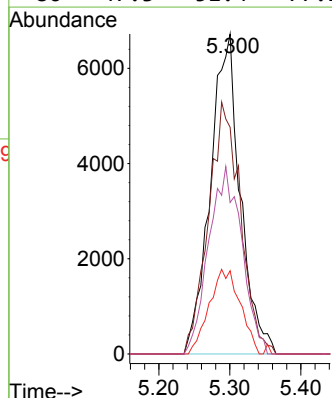
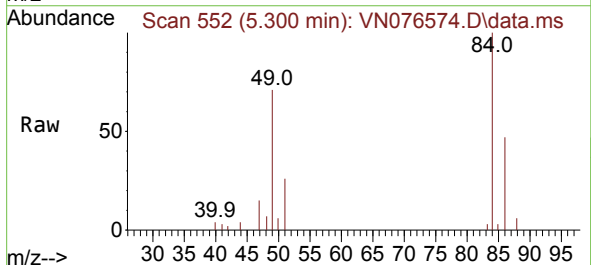
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

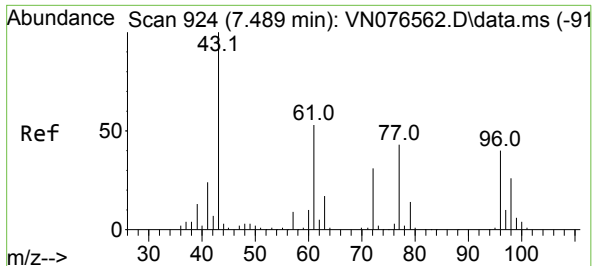
Tgt Ion: 43 Resp: 2832
Ion Ratio Lower Upper
43 100
74 18.8 23.9 35.9#



#20
Methylene Chloride
Concen: 3.328 ug/l
RT: 5.300 min Scan# 552
Delta R.T. 0.011 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion: 84 Resp: 19598
Ion Ratio Lower Upper
84 100
49 70.8 82.0 123.0#
51 26.0 26.0 39.0#
86 47.3 51.4 77.2#





#25

2-Butanone

Concen: 1.411 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN076574.D

Acq: 08 Feb 2023 12:58

Instrument :

MSVOA_N

ClientSampleId :

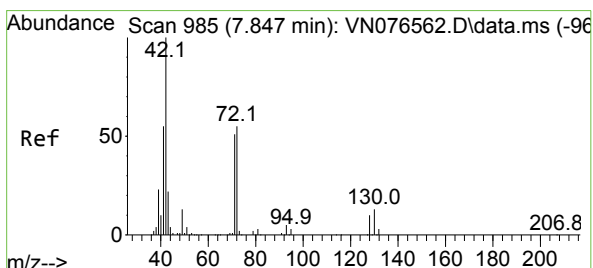
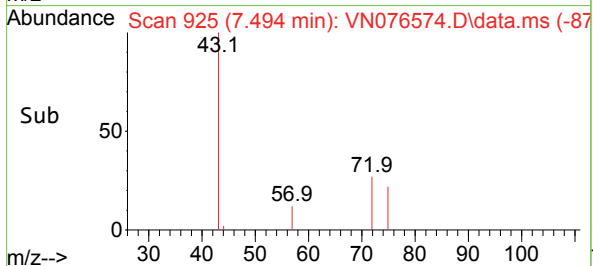
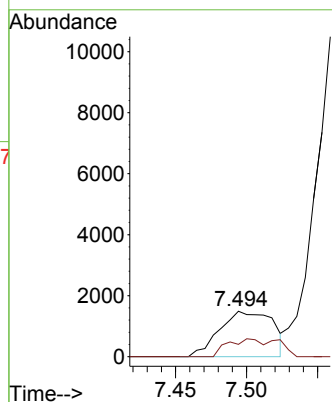
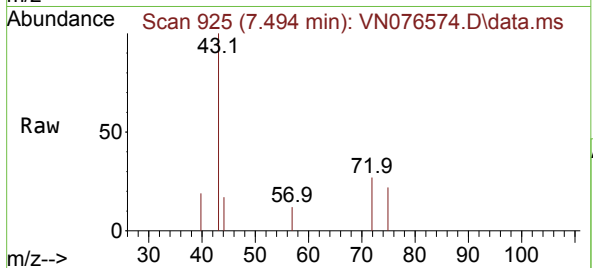
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Tgt Ion: 43 Resp: 3874

Ion Ratio Lower Upper

43 100

72 27.0 25.1 37.7



#29

Tetrahydrofuran

Concen: 0.408 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.012 min

Lab File: VN076574.D

Acq: 08 Feb 2023 12:58

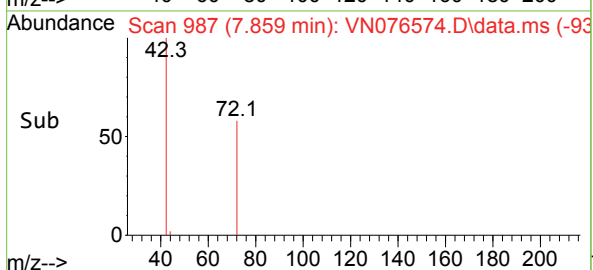
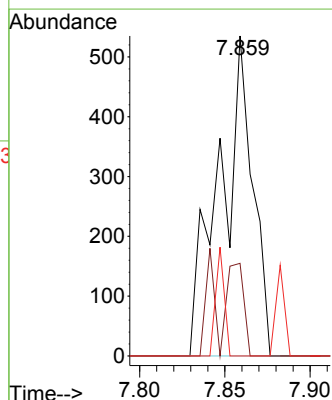
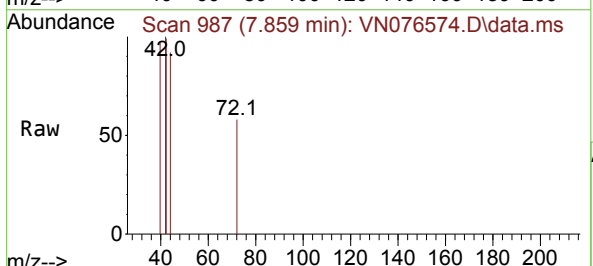
Tgt Ion: 42 Resp: 720

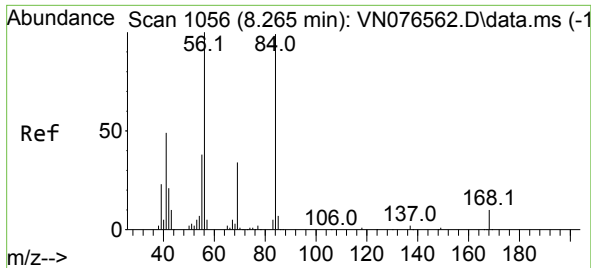
Ion Ratio Lower Upper

42 100

72 15.0 42.9 64.3#

71 0.0 39.9 59.9#

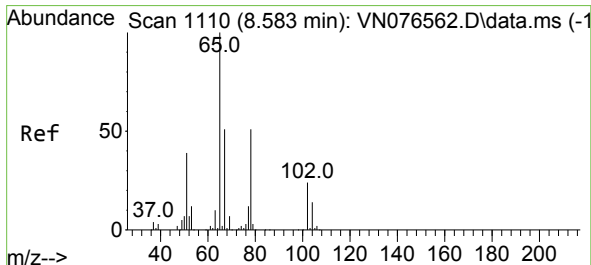
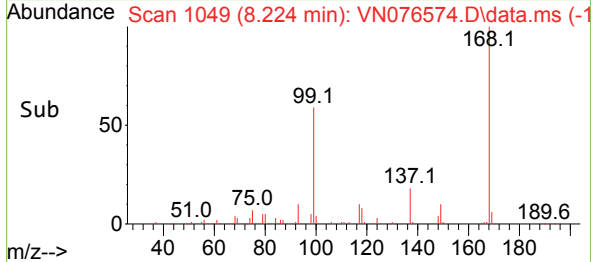
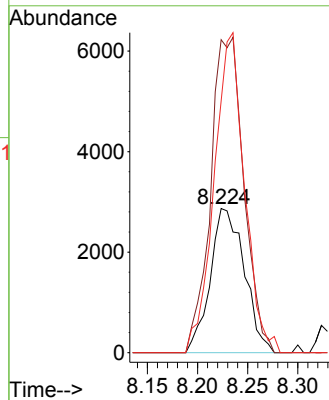
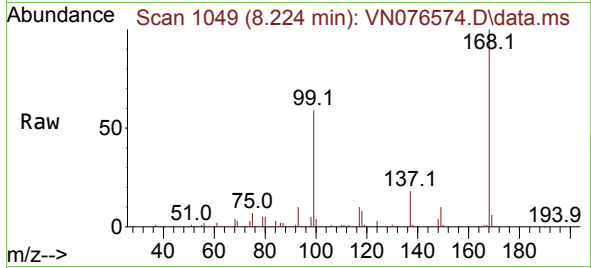




#31
Cyclohexane
Concen: 0.741 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.041 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

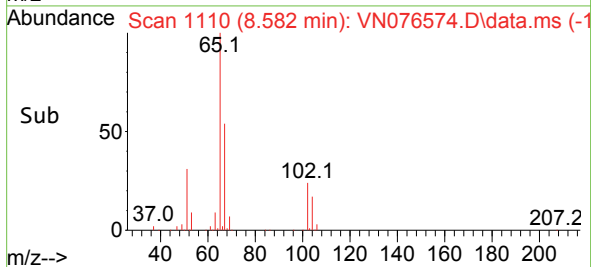
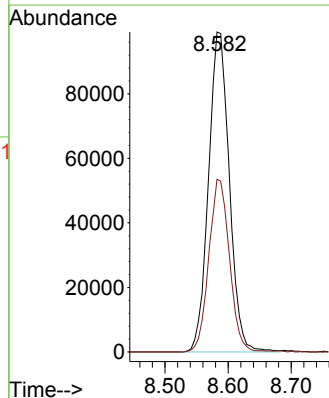
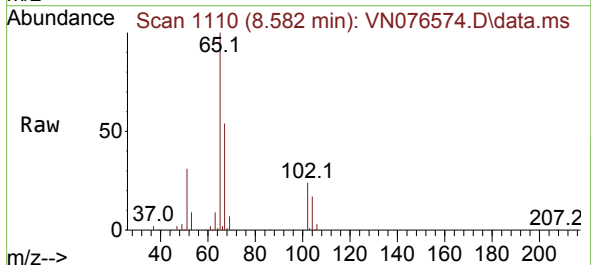
Instrument :
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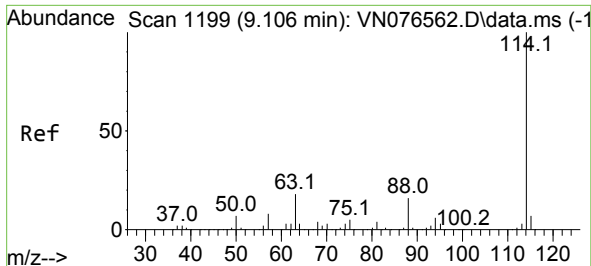
Tgt Ion: 56 Resp: 6784
Ion Ratio Lower Upper
56 100
69 217.0 27.0 40.4#
84 174.7 79.5 119.3#



#33
1,2-Dichloroethane-d4
Concen: 39.213 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion: 65 Resp: 227175
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.4

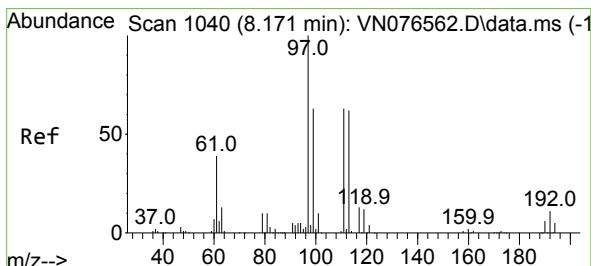
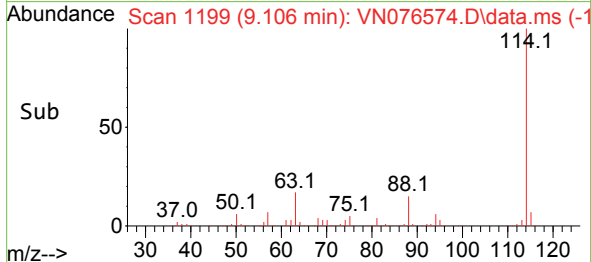
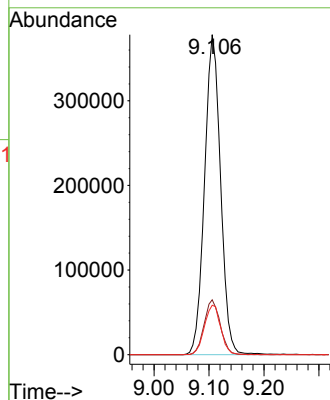
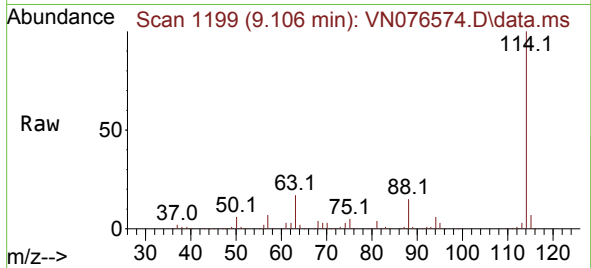




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

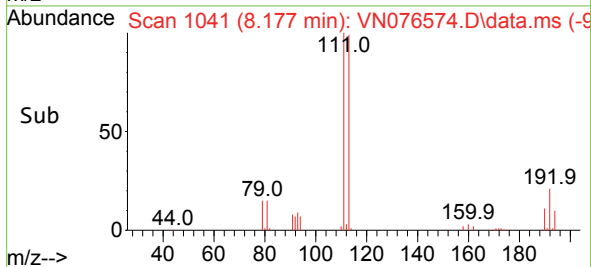
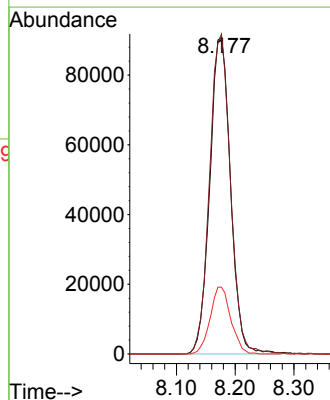
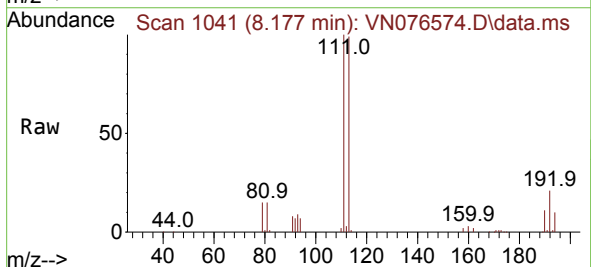
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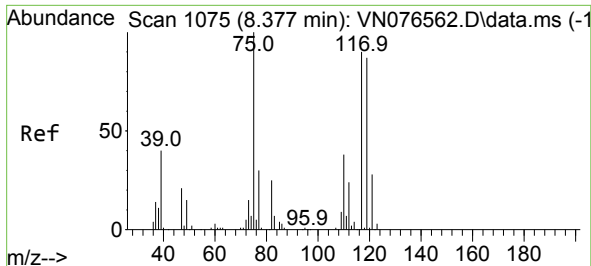
Tgt Ion:114 Resp: 765299
Ion Ratio Lower Upper
114 100
63 17.1 0.0 36.6
88 15.5 0.0 32.0



#35
Dibromofluoromethane
Concen: 46.786 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion:113 Resp: 222577
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 21.1 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.142 min

Lab File: VN076574.D

Acq: 08 Feb 2023 12:58

Instrument :

MSVOA_N

ClientSampleId :

JPP-18A-020223

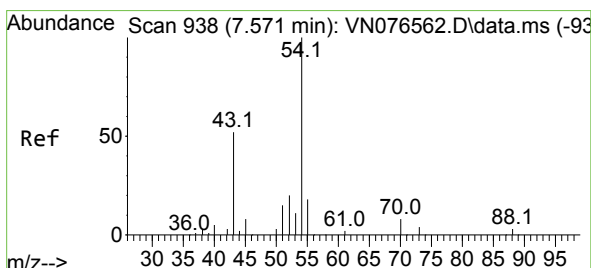
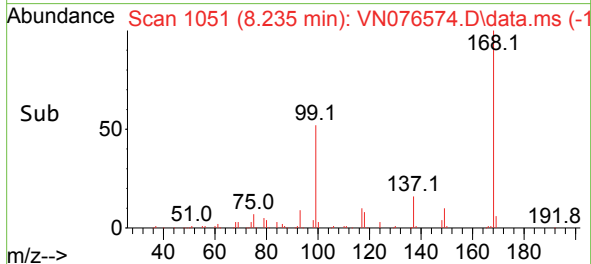
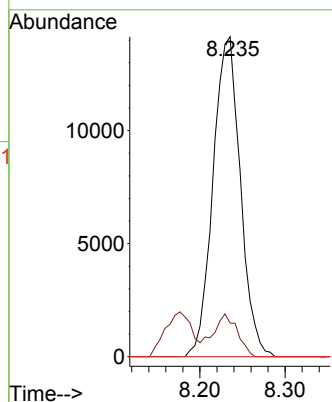
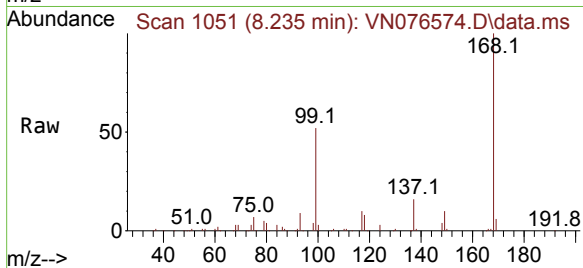
Tgt Ion: 75 Resp: 31531

Ion Ratio Lower Upper

75 100

110 12.0 18.6 55.6#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.814 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN076574.D

Acq: 08 Feb 2023 12:58

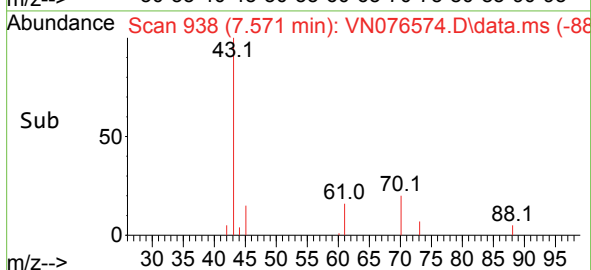
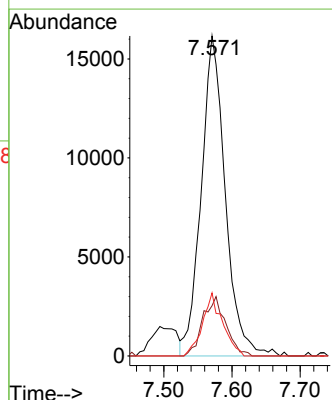
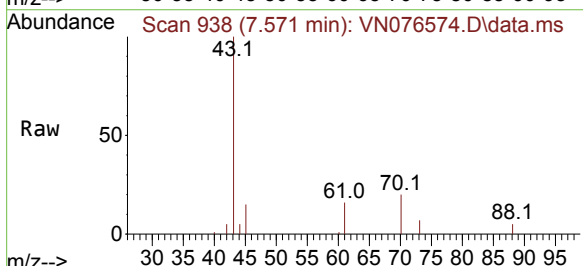
Tgt Ion: 43 Resp: 39762

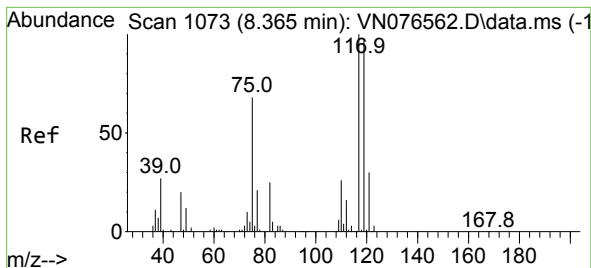
Ion Ratio Lower Upper

43 100

61 17.7 11.8 17.6#

70 16.4 10.4 15.6#





#38

Carbon Tetrachloride

Concen: 6.595 ug/l

RT: 8.229 min Scan# 110

Delta R.T. -0.136 min

Lab File: VN076574.D

Acq: 08 Feb 2023 12:58

Instrument :

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JPP-18A-020223

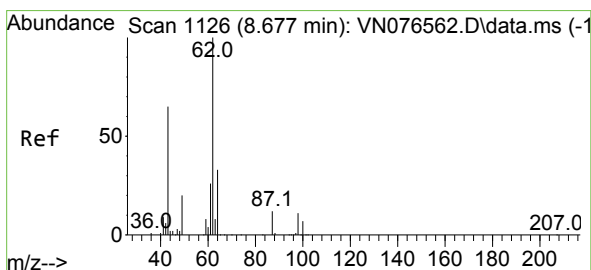
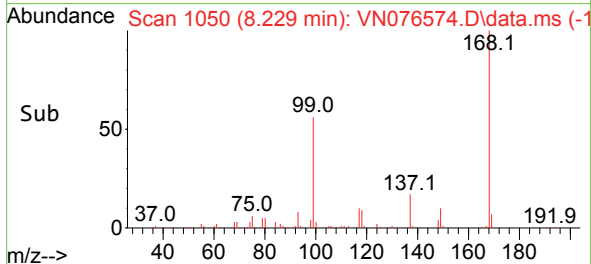
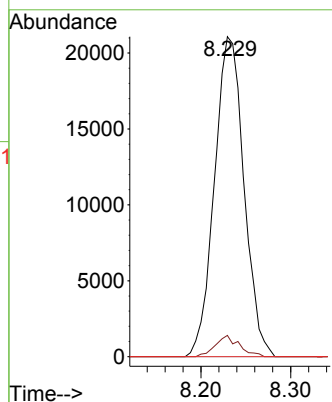
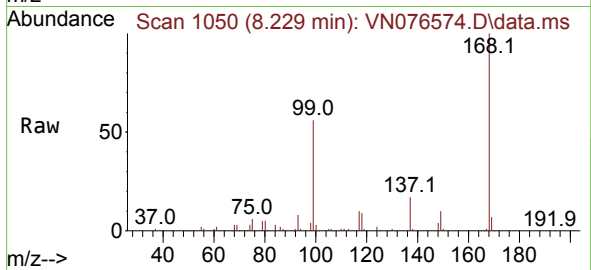
Tgt Ion:117 Resp: 48165

Ion Ratio Lower Upper

117 100

119 6.6 77.2 115.8#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.230 ug/l

RT: 8.700 min Scan# 1130

Delta R.T. 0.023 min

Lab File: VN076574.D

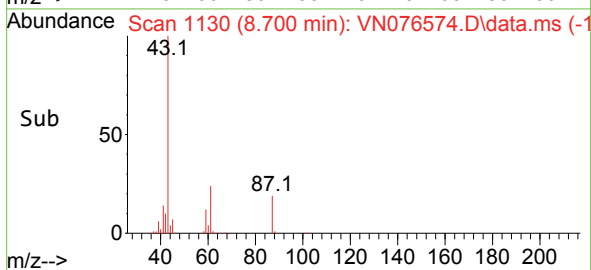
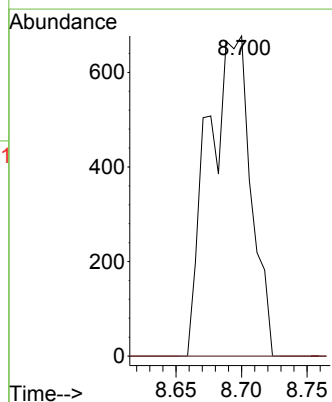
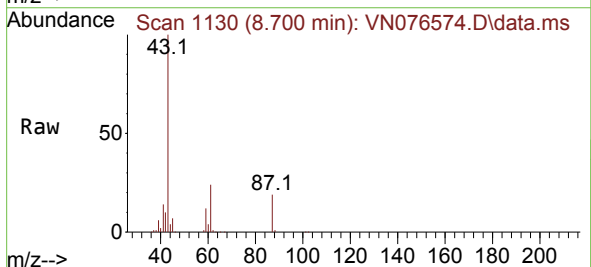
Acq: 08 Feb 2023 12:58

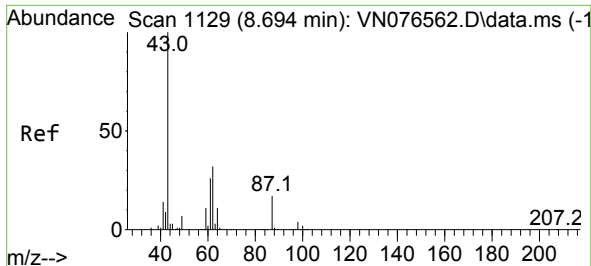
Tgt Ion: 62 Resp: 1539

Ion Ratio Lower Upper

62 100

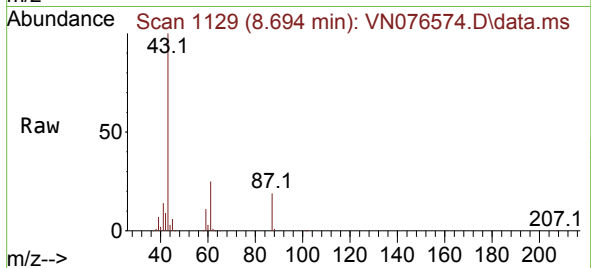
98 0.0 0.0 21.6



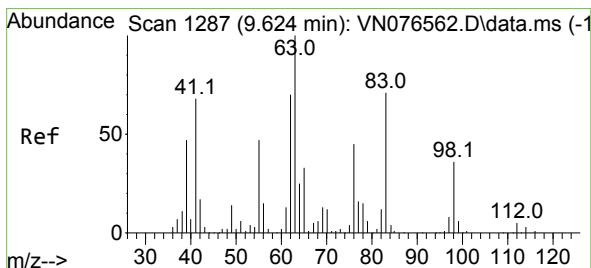
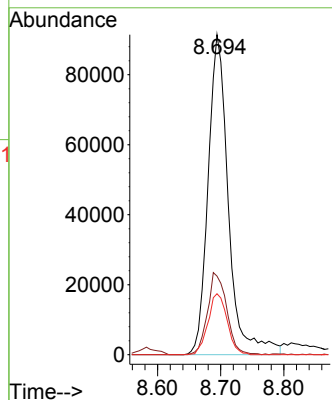
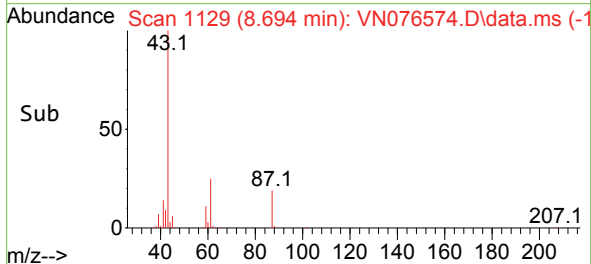


#43
Isopropyl Acetate
Concen: 24.131 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

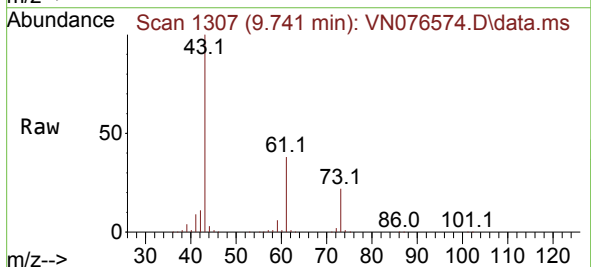
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223



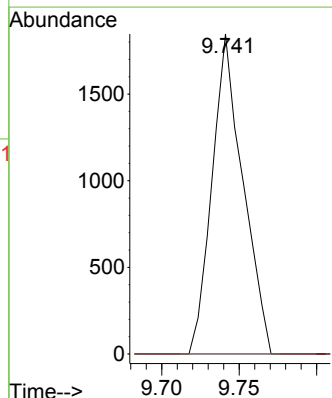
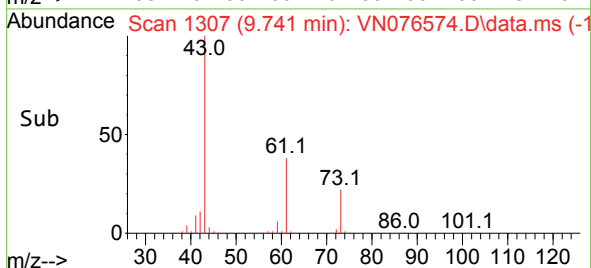
Tgt Ion: 43 Resp: 204337
Ion Ratio Lower Upper
43 100
61 24.2 24.5 36.7#
87 17.9 13.6 20.4

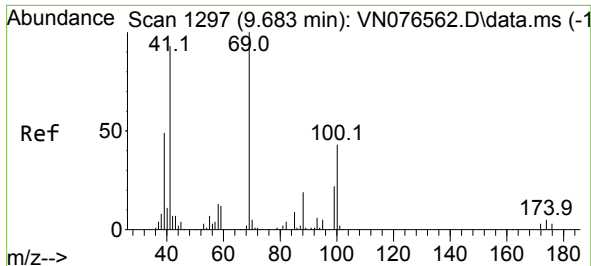


#45
1,2-Dichloropropane
Concen: 0.516 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58



Tgt Ion: 63 Resp: 2554
Ion Ratio Lower Upper
63 100
65 0.0 26.0 39.0#

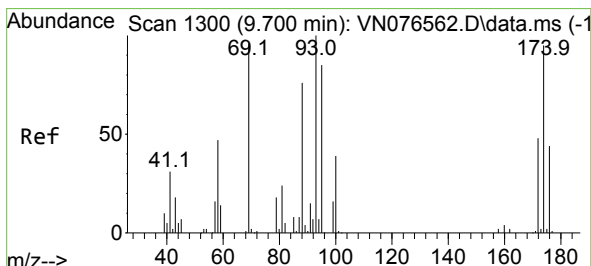
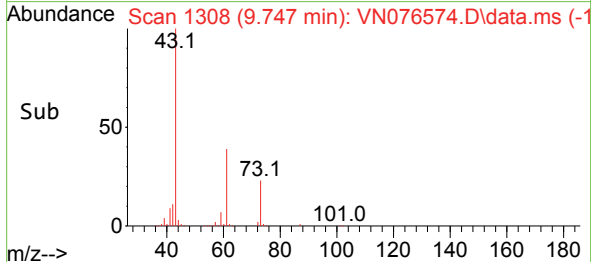
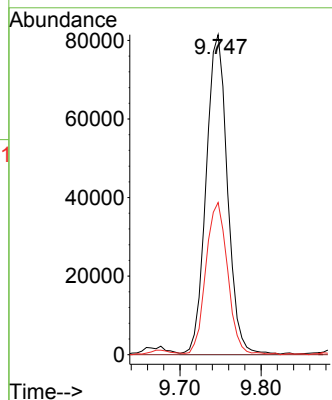
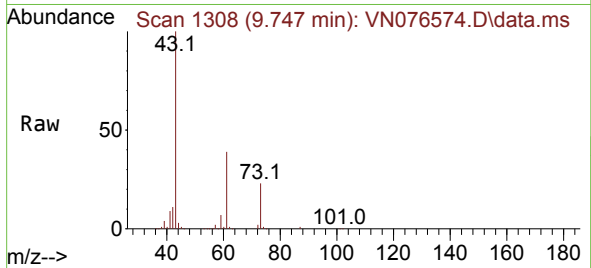




#48
Methyl methacrylate
Concen: 35.763 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

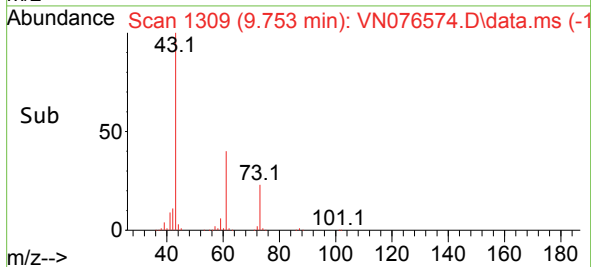
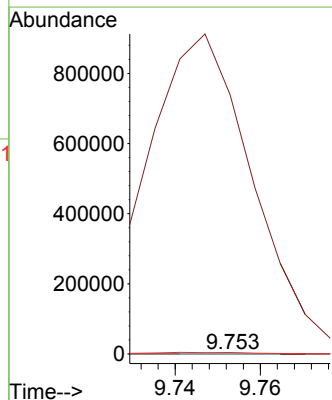
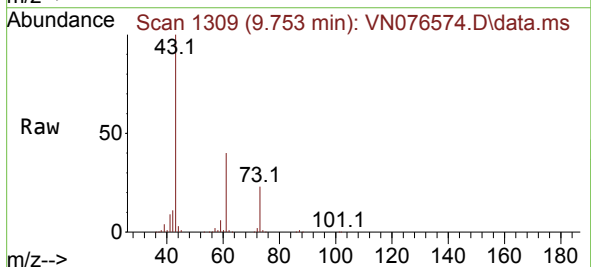
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

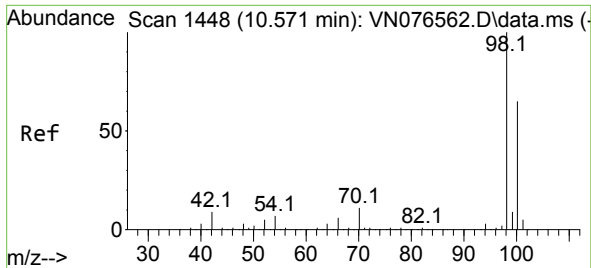
Tgt Ion: 41 Resp: 148936
Ion Ratio Lower Upper
41 100
69 0.0 83.0 124.4#
39 48.6 43.8 65.8



#49
1,4-Dioxane
Concen: 0.752 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 2467429.9 16.7 25.1#
58 12297.0 51.7 77.5#

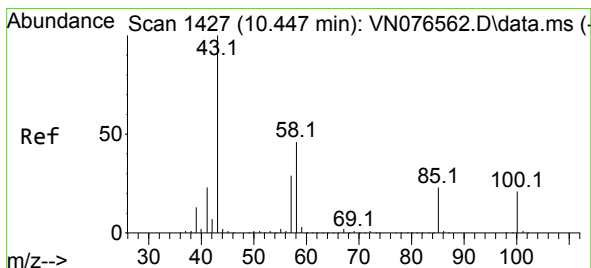
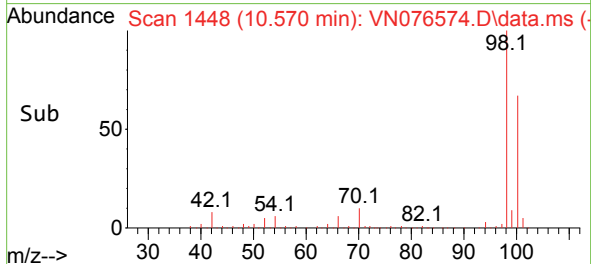
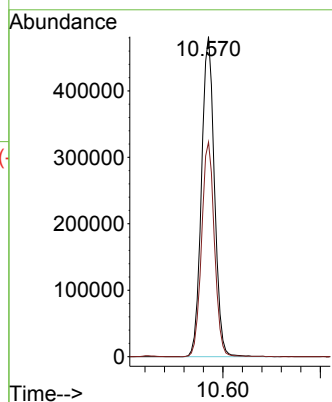
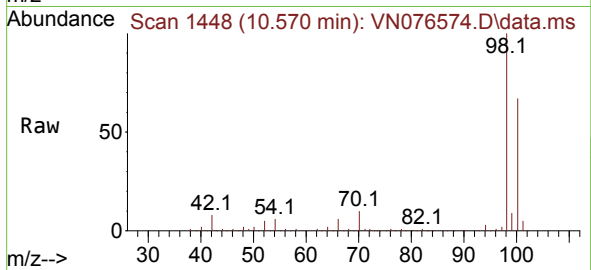




#50
Toluene-d8
Concen: 49.485 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

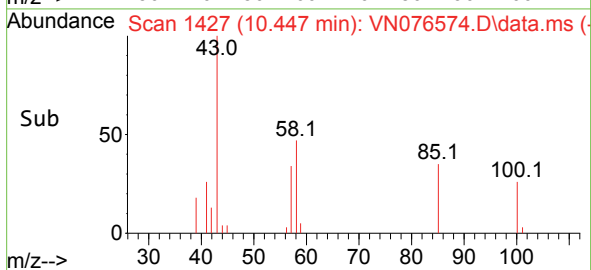
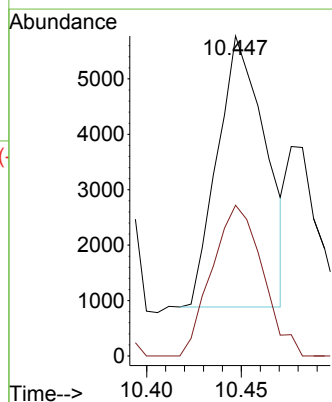
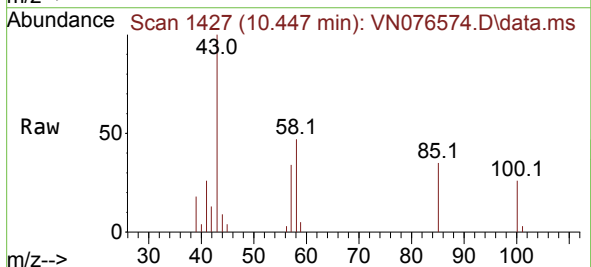
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

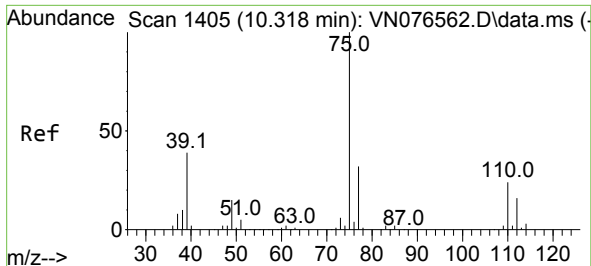
Tgt Ion: 98 Resp: 885646
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.692 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion: 43 Resp: 8612
Ion Ratio Lower Upper
43 100
58 58.6 36.4 54.6#

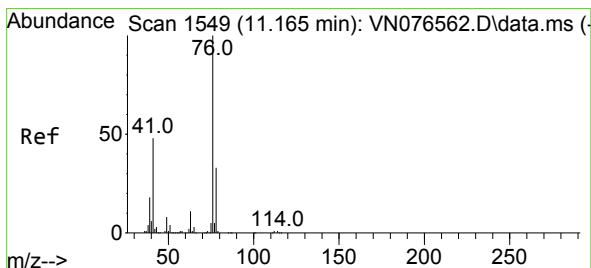
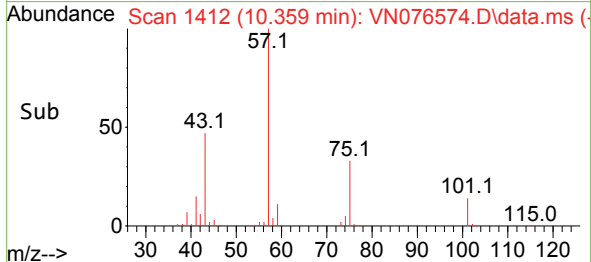
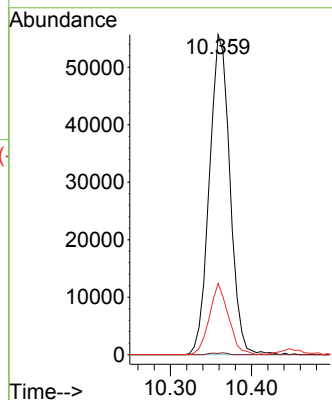
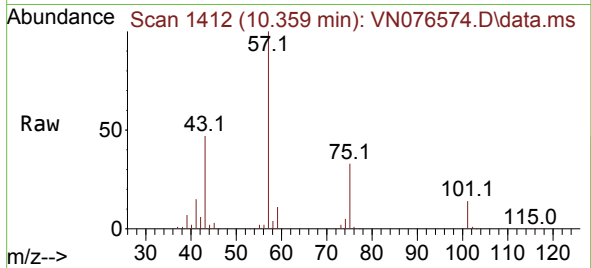




#54
 cis-1,3-Dichloropropene
 Concen: 12.369 ug/l
 RT: 10.359 min Scan# 1405
 Delta R.T. 0.041 min
 Lab File: VN076574.D
 Acq: 08 Feb 2023 12:58

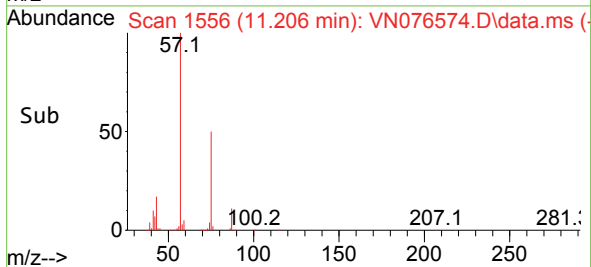
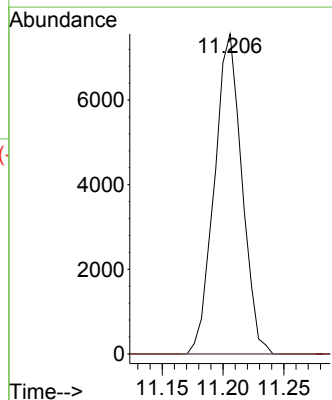
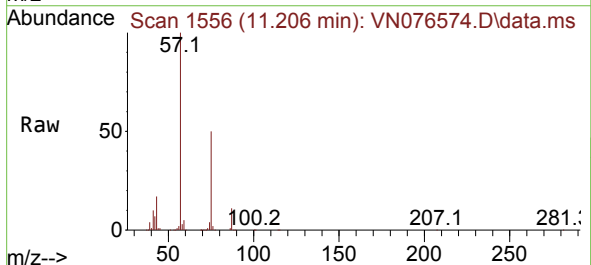
Instrument :
 MSVOA_N
 ClientSampleId :
 JPP-18A-020223

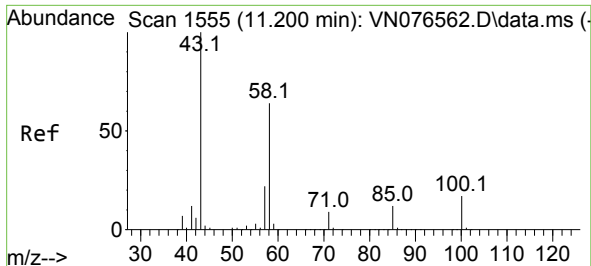
Tgt Ion: 75 Resp: 97766
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.4 38.0#
 39 22.3 31.1 46.7#



#57
 1,3-Dichloropropane
 Concen: 1.412 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN076574.D
 Acq: 08 Feb 2023 12:58

Tgt Ion: 76 Resp: 11893
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

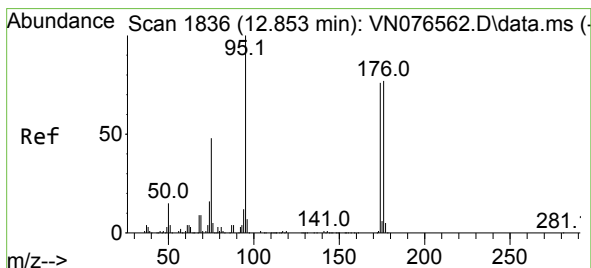
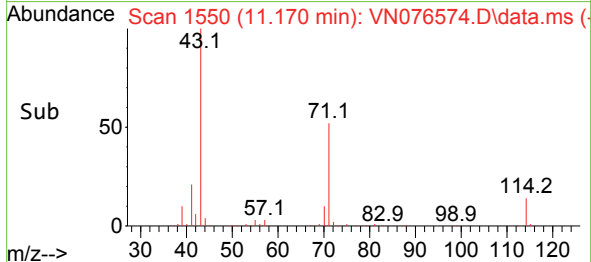
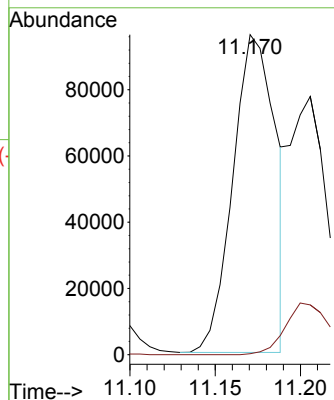
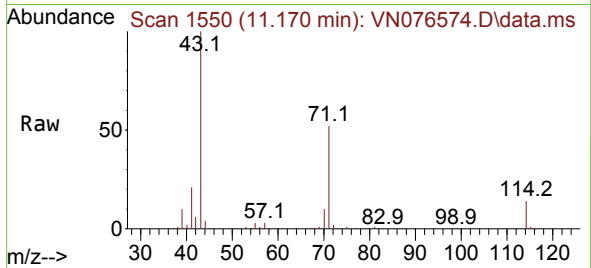




#59
2-Hexanone
Concen: 46.002 ug/l
RT: 11.170 min Scan# 11550
Delta R.T. -0.030 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

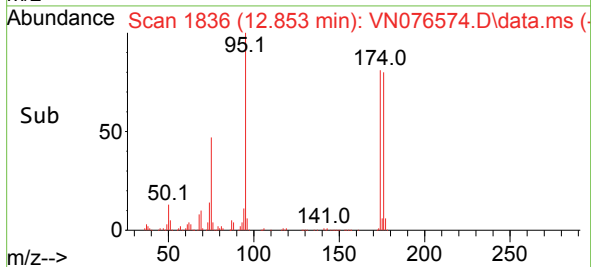
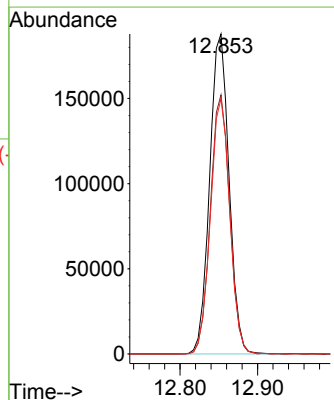
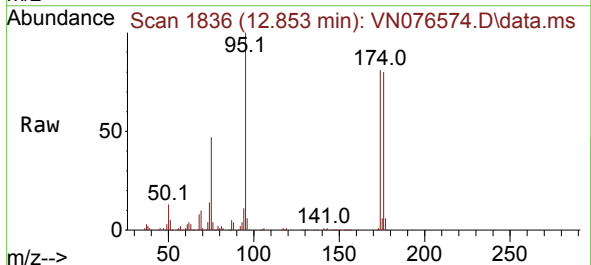
Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

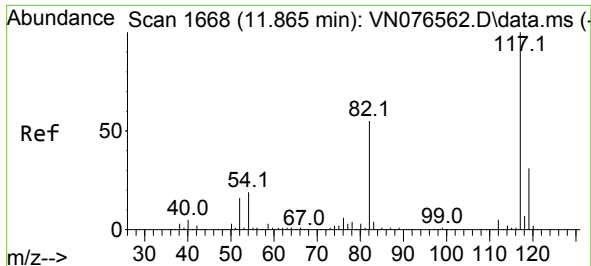
Tgt Ion: 43 Resp: 166906
Ion Ratio Lower Upper
43 100
58 0.0 31.8 95.4#



#62
4-Bromofluorobenzene
Concen: 51.709 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion: 95 Resp: 326034
Ion Ratio Lower Upper
95 100
174 81.0 0.0 154.0
176 79.3 0.0 152.0

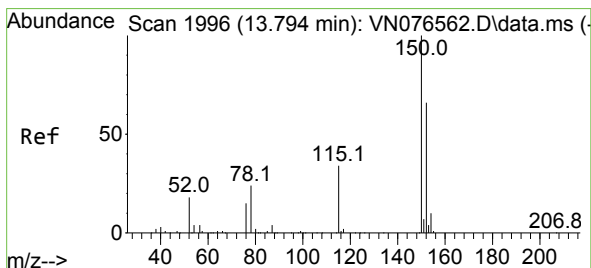
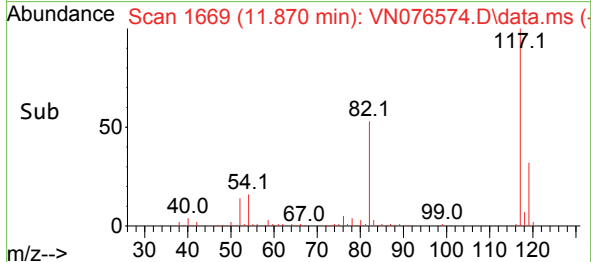
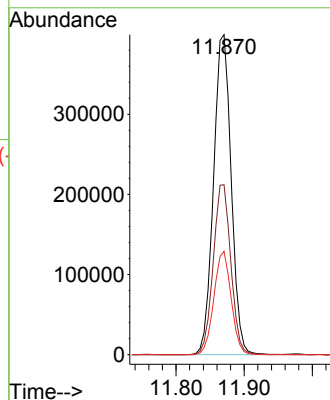
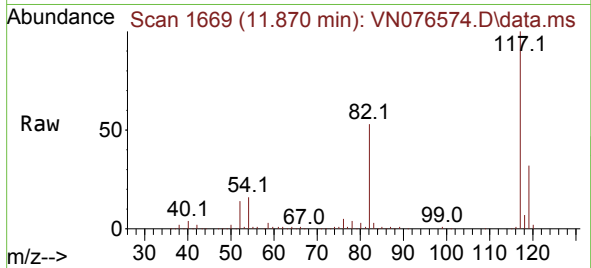




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

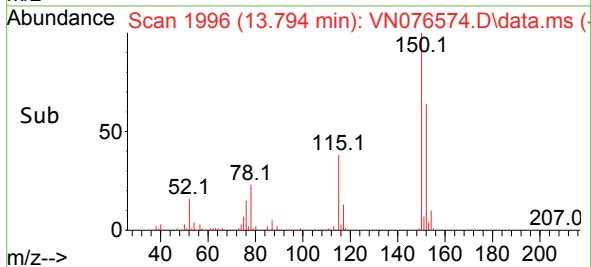
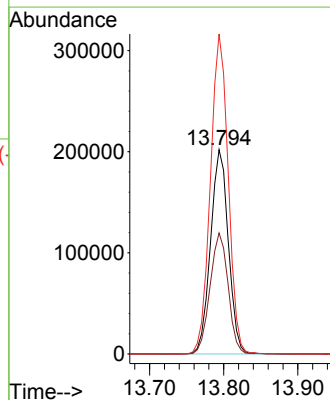
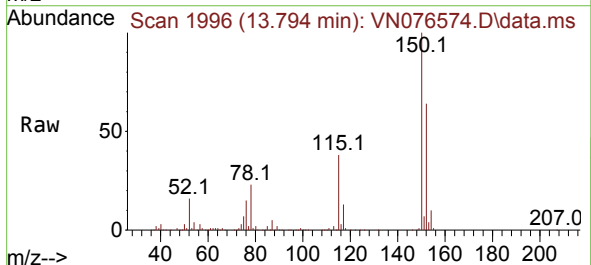
Instrument :
MSVOA_N
ClientSampleId :
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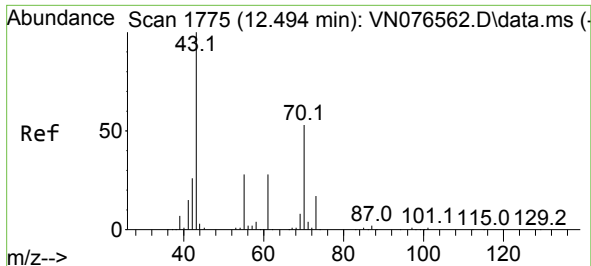
Tgt Ion:117 Resp: 721319
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.4
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion:152 Resp: 337550
Ion Ratio Lower Upper
152 100
115 60.0 30.8 92.3
150 156.1 0.0 348.8

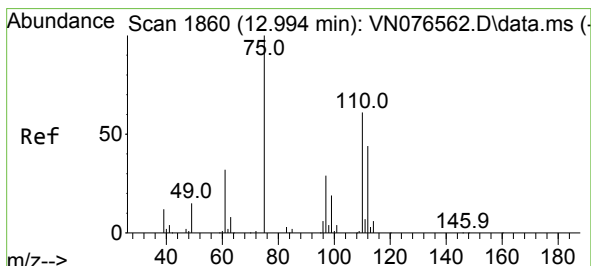
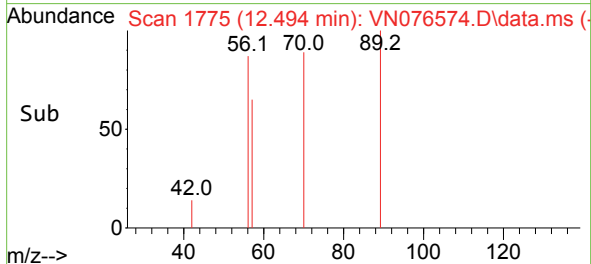
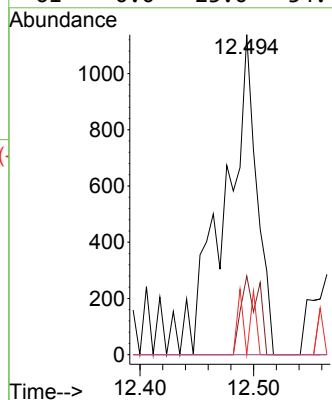
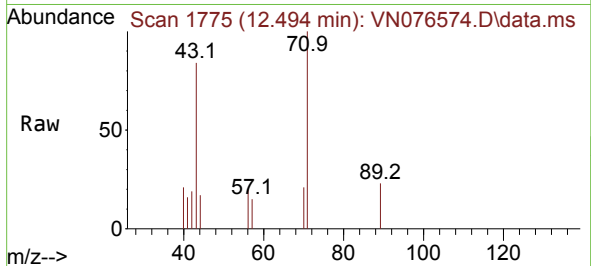




#74
N-amy1 acetate
Concen: 0.288 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

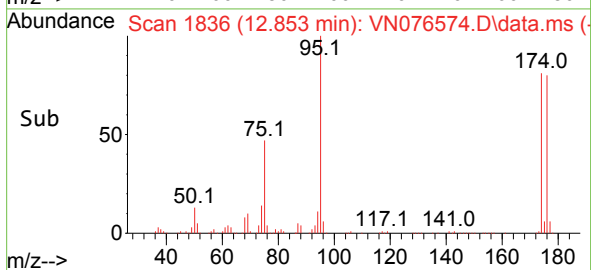
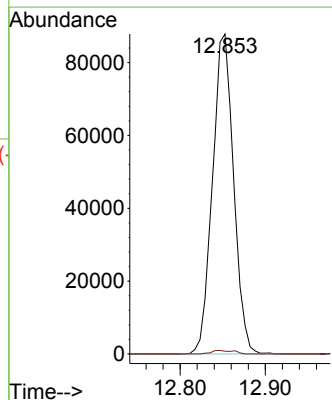
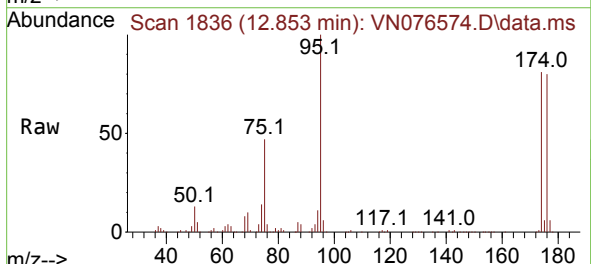
Instrument :
MSVOA_N
ClientSampleId :
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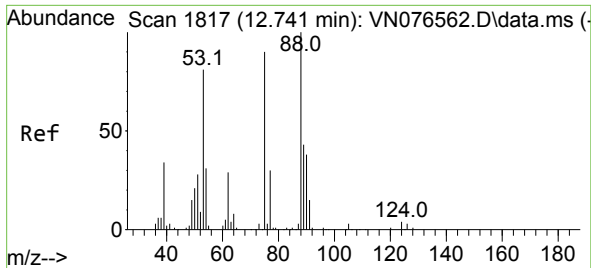
Tgt Ion:	43	Resp:	2220
Ion	Ratio	Lower	Upper
43	100		
70	13.4	43.1	64.7#
55	7.3	22.4	33.6#
61	0.0	23.0	34.4#



#76
1,2,3-Trichloropropane
Concen: 23.979 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion:	75	Resp:	151014
Ion	Ratio	Lower	Upper
75	100		
77	1.2	87.5	262.5#

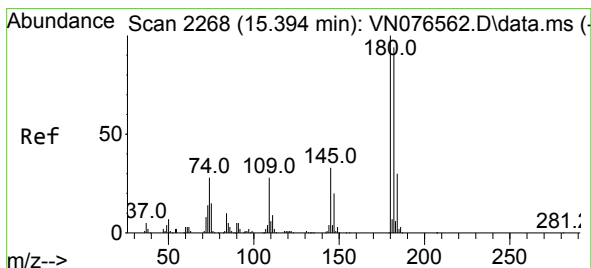
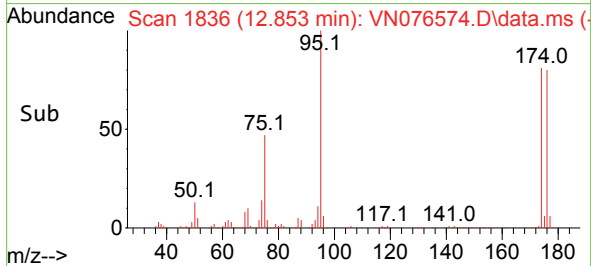
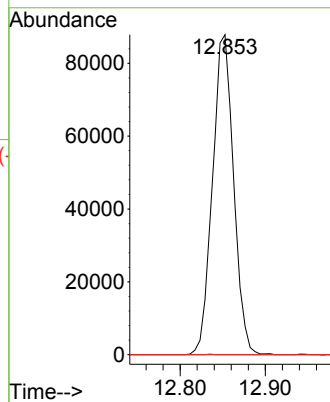
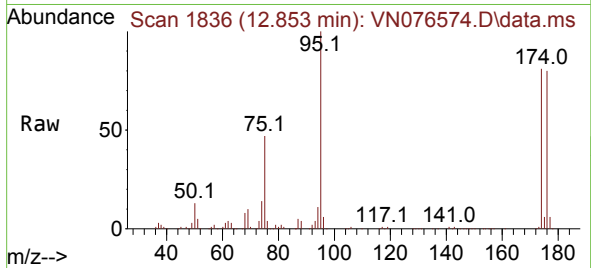




#81
trans-1,4-Dichloro-2-butene
Concen: 73.630 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

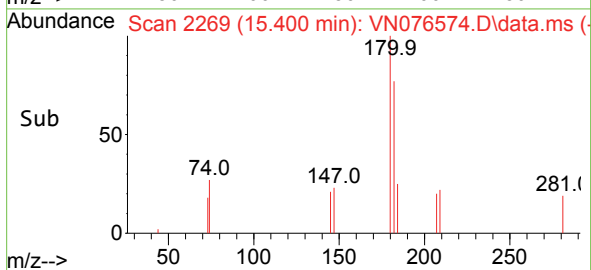
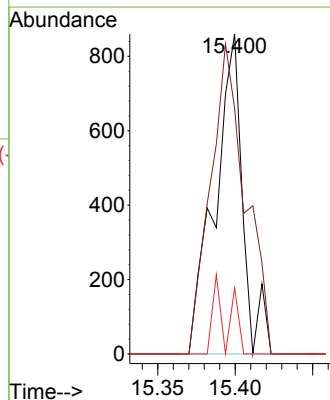
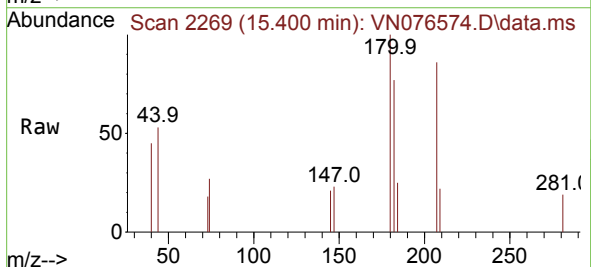
Instrument :
MSVOA_N
ClientSampleId :
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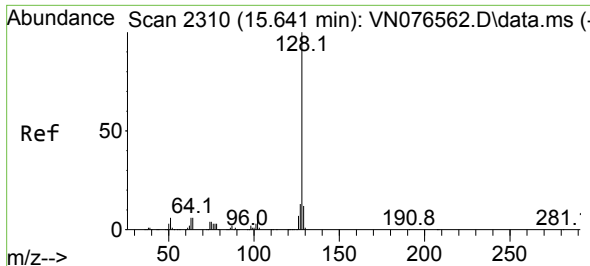
Tgt Ion: 75 Resp: 151014
Ion Ratio Lower Upper
75 100
53 0.0 77.1 115.7#
89 0.0 41.5 62.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.200 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion: 180 Resp: 1071
Ion Ratio Lower Upper
180 100
182 121.7 47.4 142.2
145 12.9 16.3 48.8#

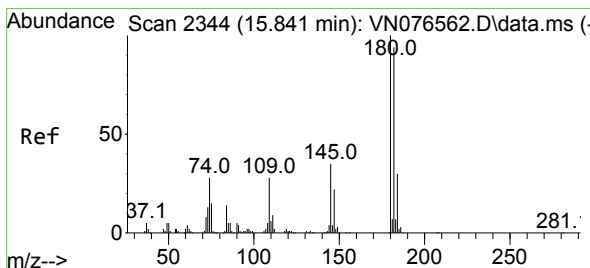
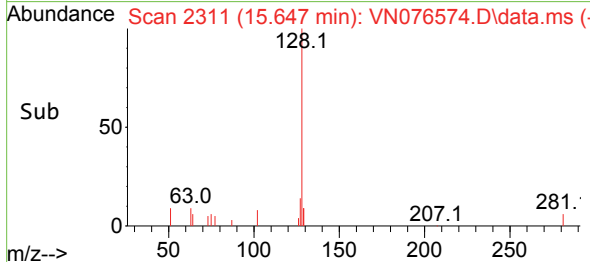
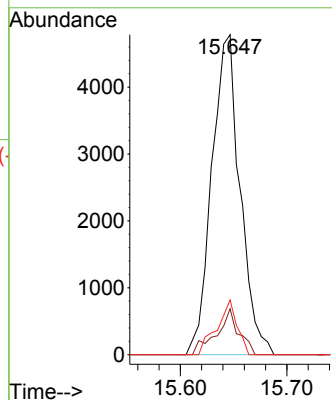
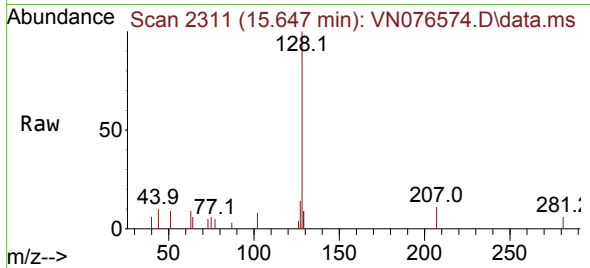




#95
Naphthalene
Concen: 0.565 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Instrument :
MSVOA_N
ClientSampleId :
JPP-18A-020223

Tgt Ion:128 Resp: 8794
Ion Ratio Lower Upper
128 100
127 11.4 10.2 15.2
129 12.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.260 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN076574.D
Acq: 08 Feb 2023 12:58

Tgt Ion:180 Resp: 1332
Ion Ratio Lower Upper
180 100
182 84.5 47.4 142.2
145 11.4 17.2 51.5

